

Amendments to the Claims:

Claim 37 has been canceled.

Claims 28-33 have been amended as follows:

28. (currently amended) An isolated polypeptide having at least 80% amino acid sequence identity to:

- (a) the amino acid sequence of the polypeptide ~~shown in Figure 84~~ (SEQ ID NO:140);
- (b) the amino acid sequence of the polypeptide ~~shown in Figure 84~~ (SEQ ID NO:140), lacking its associated signal peptide;
- (c) the amino acid sequence of the extracellular domain of the polypeptide ~~shown in Figure 84~~ (SEQ ID NO:140);
- ~~(d) — the amino acid sequence of the extracellular domain of the polypeptide shown in Figure 84 (SEQ ID NO:140), lacking its associated signal peptide; or~~
- [[e)] (d) the amino acid sequence of the polypeptide encoded by the full-length coding sequence of the cDNA deposited under ATCC accession number 203216;
wherein, the polypeptide is capable of inducing chondrocyte redifferentiation.

29. (currently amended) The isolated polypeptide of Claim 28 having at least 85% amino acid sequence identity to:

- (a) the amino acid sequence of the polypeptide ~~shown in Figure 84~~ (SEQ ID NO:140);
- (b) the amino acid sequence of the polypeptide ~~shown in Figure 84~~ (SEQ ID NO:140), lacking its associated signal peptide;
- (c) the amino acid sequence of the extracellular domain of the polypeptide ~~shown in Figure 84~~ (SEQ ID NO:140);
- ~~(d) — the amino acid sequence of the extracellular domain of the polypeptide shown in Figure 84 (SEQ ID NO:140), lacking its associated signal peptide; or~~
- [[e)] (d) the amino acid sequence of the polypeptide encoded by the full-length coding sequence of the cDNA deposited under ATCC accession number 203216;
wherein, the polypeptide is capable of inducing chondrocyte redifferentiation.

30. (currently amended) The isolated polypeptide of Claim 28 having at least 90% amino acid sequence identity to:

(a) the amino acid sequence of the polypeptide ~~shown in Figure 84~~ (SEQ ID NO:140);

(b) the amino acid sequence of the polypeptide ~~shown in Figure 84~~ (SEQ ID NO:140), lacking its associated signal peptide;

(c) the amino acid sequence of the extracellular domain of the polypeptide ~~shown in Figure 84~~ (SEQ ID NO:140);

~~(d) the amino acid sequence of the extracellular domain of the polypeptide shown in Figure 84 (SEQ ID NO:140), lacking its associated signal peptide; or~~

[[~~(e)~~]] (d) the amino acid sequence of the polypeptide encoded by the full-length coding sequence of the cDNA deposited under ATCC accession number 203216;

wherein, the polypeptide is capable of inducing chondrocyte redifferentiation.

31. (currently amended) The isolated polypeptide of Claim 28 having at least 95% amino acid sequence identity to:

(a) the amino acid sequence of the polypeptide ~~shown in Figure 84~~ (SEQ ID NO:140);

(b) the amino acid sequence of the polypeptide ~~shown in Figure 84~~ (SEQ ID NO:140), lacking its associated signal peptide;

(c) the amino acid sequence of the extracellular domain of the polypeptide ~~shown in Figure 84~~ (SEQ ID NO:140);

~~(d) the amino acid sequence of the extracellular domain of the polypeptide shown in Figure 84 (SEQ ID NO:140), lacking its associated signal peptide; or~~

[[~~(e)~~]] (d) the amino acid sequence of the polypeptide encoded by the full-length coding sequence of the cDNA deposited under ATCC accession number 203216;

wherein, the polypeptide is capable of inducing chondrocyte redifferentiation.

32. (currently amended) The isolated polypeptide of Claim 28 having at least 99% amino acid sequence identity to:

- (a) the amino acid sequence of the polypeptide ~~shown in Figure 84~~ (SEQ ID NO:140);
- (b) the amino acid sequence of the polypeptide ~~shown in Figure 84~~ (SEQ ID NO:140), lacking its associated signal peptide;
- (c) the amino acid sequence of the extracellular domain of the polypeptide ~~shown in Figure 84~~ (SEQ ID NO:140);
- (d) ~~the amino acid sequence of the extracellular domain of the polypeptide shown in Figure 84 (SEQ ID NO:140), lacking its associated signal peptide; or~~
- [[e]] (d) the amino acid sequence of the polypeptide encoded by the full-length coding sequence of the cDNA deposited under ATCC accession number 203216;
wherein, the polypeptide is capable of inducing chondrocyte redifferentiation.

33. (currently amended) An isolated polypeptide comprising:

- (a) the amino acid sequence of the polypeptide ~~shown in Figure 84~~ (SEQ ID NO:140);
- (b) the amino acid sequence of the polypeptide ~~shown in Figure 84~~ (SEQ ID NO:140), lacking its associated signal peptide;
- (c) the amino acid sequence of the extracellular domain of the polypeptide shown in ~~Figure 84~~ (SEQ ID NO:140);
- (d) ~~the amino acid sequence of the extracellular domain of the polypeptide shown in Figure 84 (SEQ ID NO:140), lacking its associated signal peptide; or~~
- [[e]] (d) the amino acid sequence of the polypeptide encoded by the full-length coding sequence of the cDNA deposited under ATCC accession number 203216.

34. (currently amended) The isolated polypeptide of Claim 33 comprising the amino acid sequence of the polypeptide ~~shown in Figure 84~~ (SEQ ID NO:140).

35. (currently amended) The isolated polypeptide of Claim 33 comprising the amino acid sequence of the polypeptide ~~shown in Figure 84~~ (SEQ ID NO:140), lacking its associated signal peptide.

36. (currently amended) The isolated polypeptide of Claim 33 comprising the amino acid sequence of the extracellular domain of the polypeptide ~~shown in Figure 84~~ (SEQ ID NO:140).

37. (canceled)

38. (previously presented) The isolated polypeptide of Claim 33 comprising the amino acid sequence of the polypeptide encoded by the full-length coding sequence of the cDNA deposited under ATCC accession number 203216.

39. (previously presented) A chimeric polypeptide comprising a polypeptide according to Claim 39 fused to a heterologous polypeptide.

40. (previously presented) The chimeric polypeptide of Claim 50, wherein said heterologous polypeptide is an epitope tag or an Fc region of an immunoglobulin.